

Fig. 1

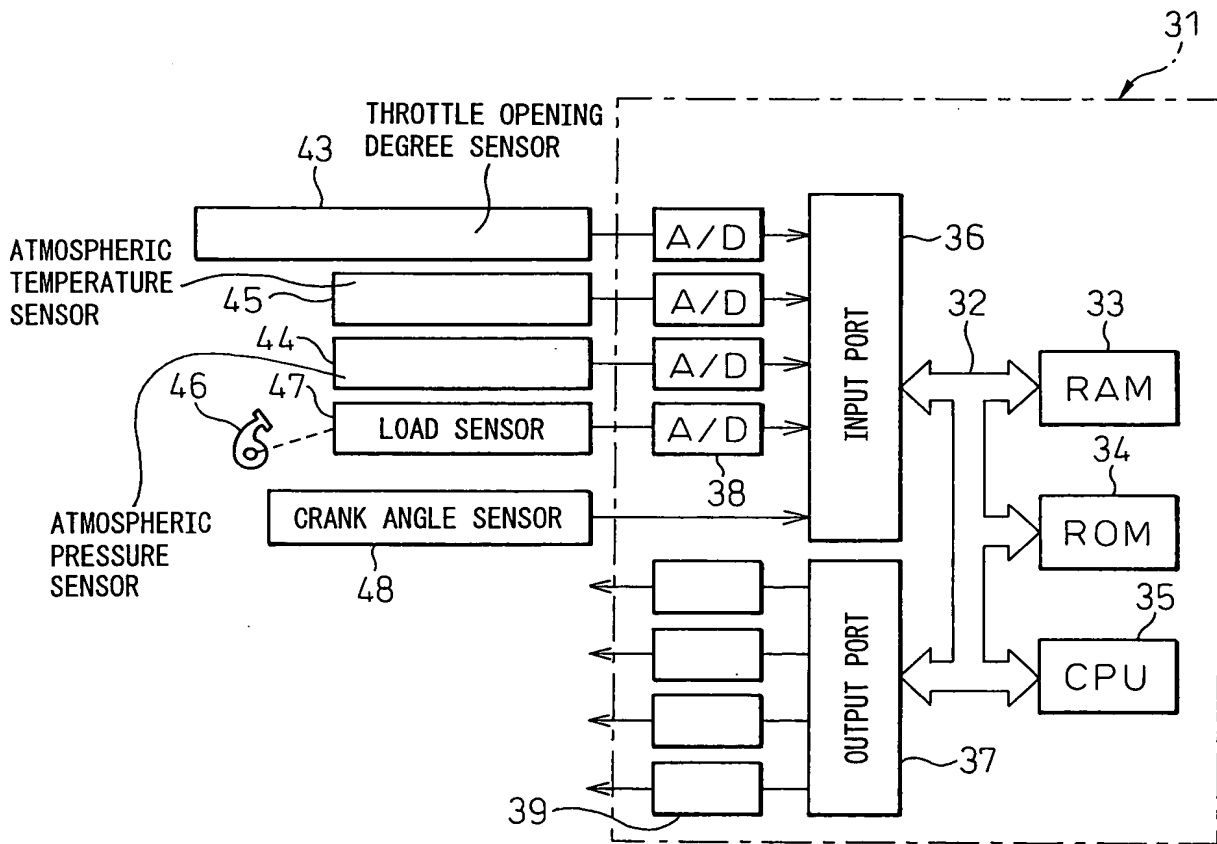
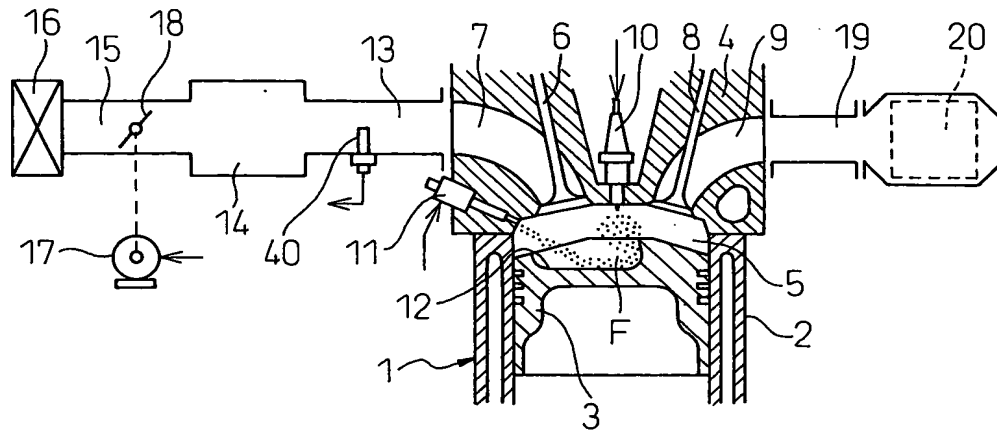


Fig. 2

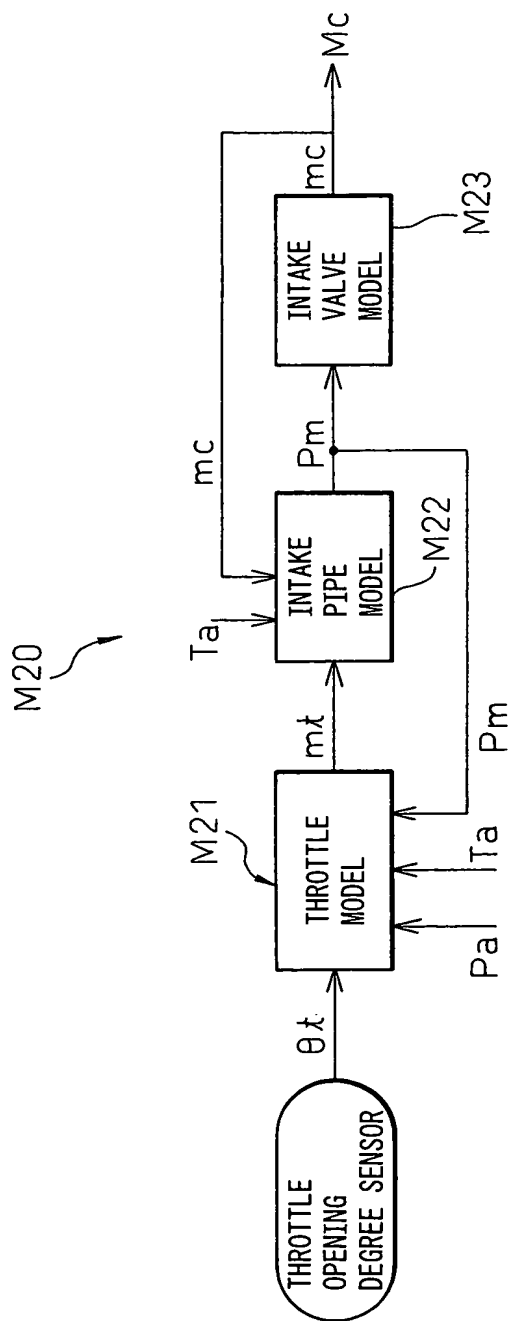


Fig.3

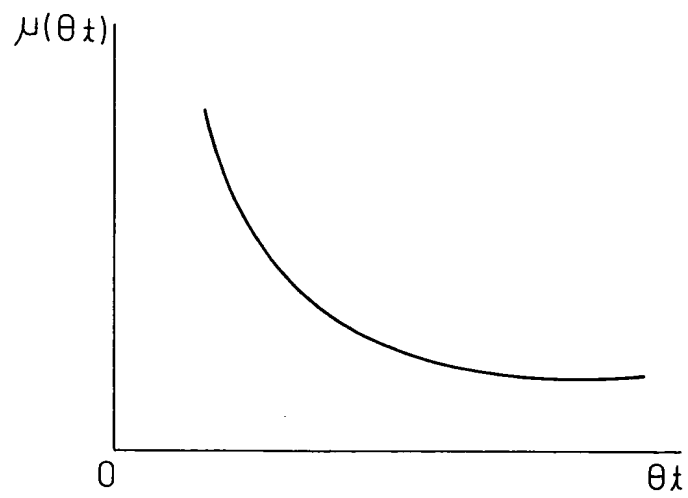


Fig.4

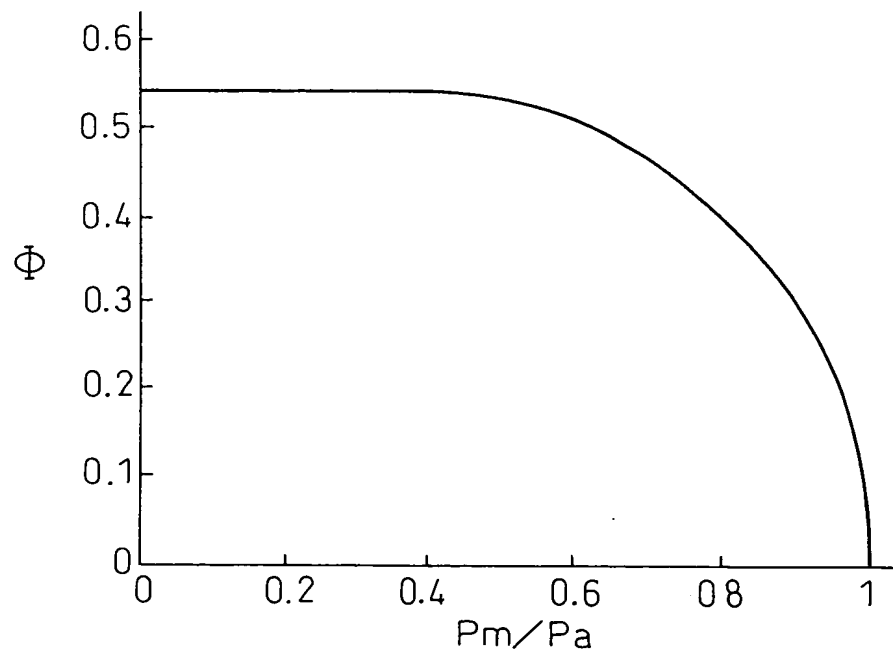


Fig.5

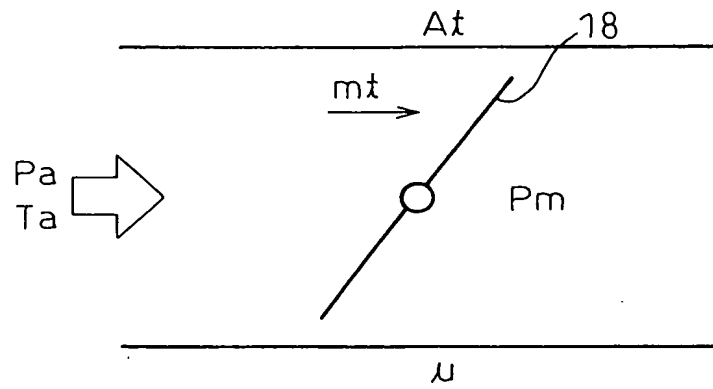


Fig.6

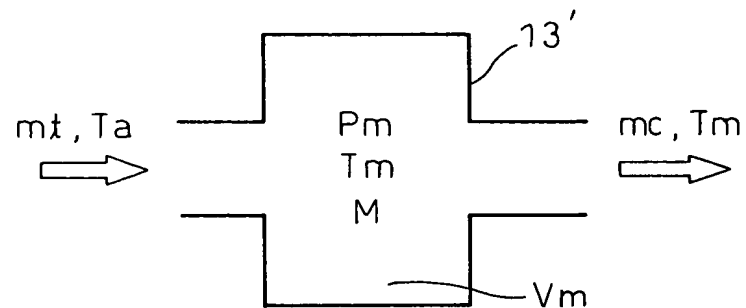


Fig.7

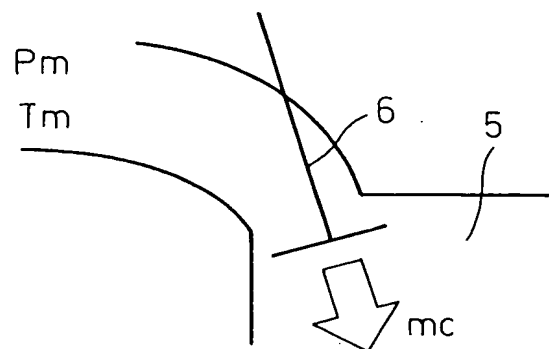


Fig.8

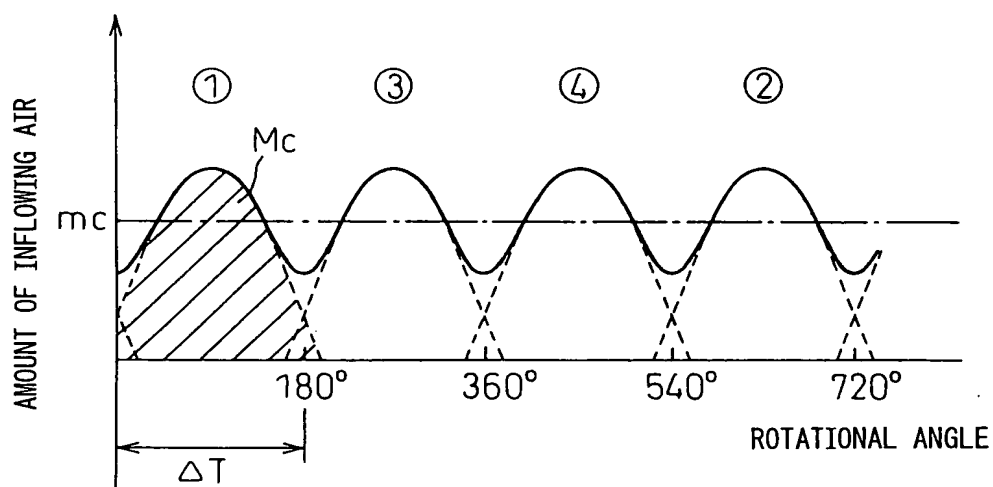


Fig.9

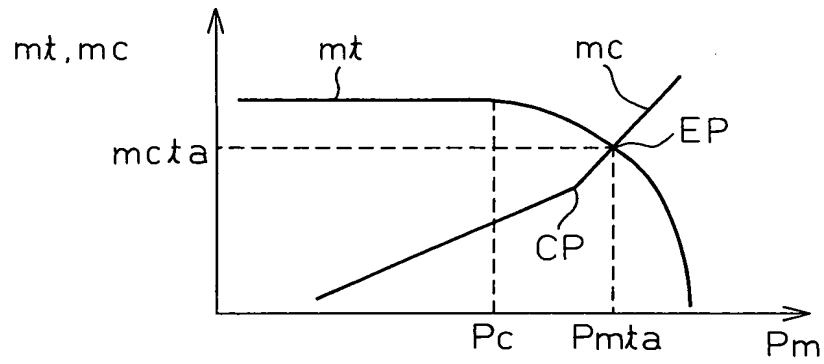


Fig.10

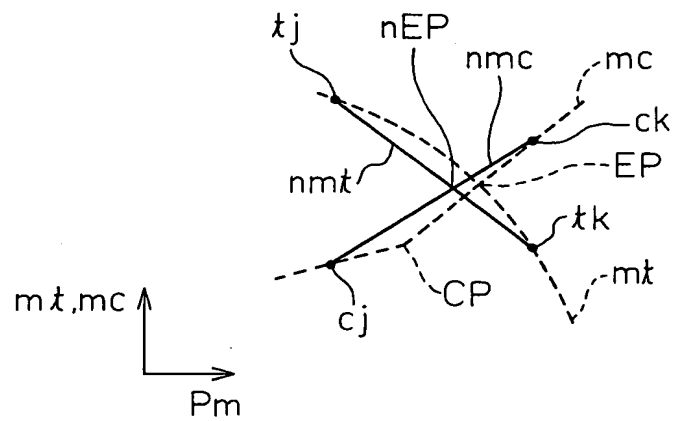
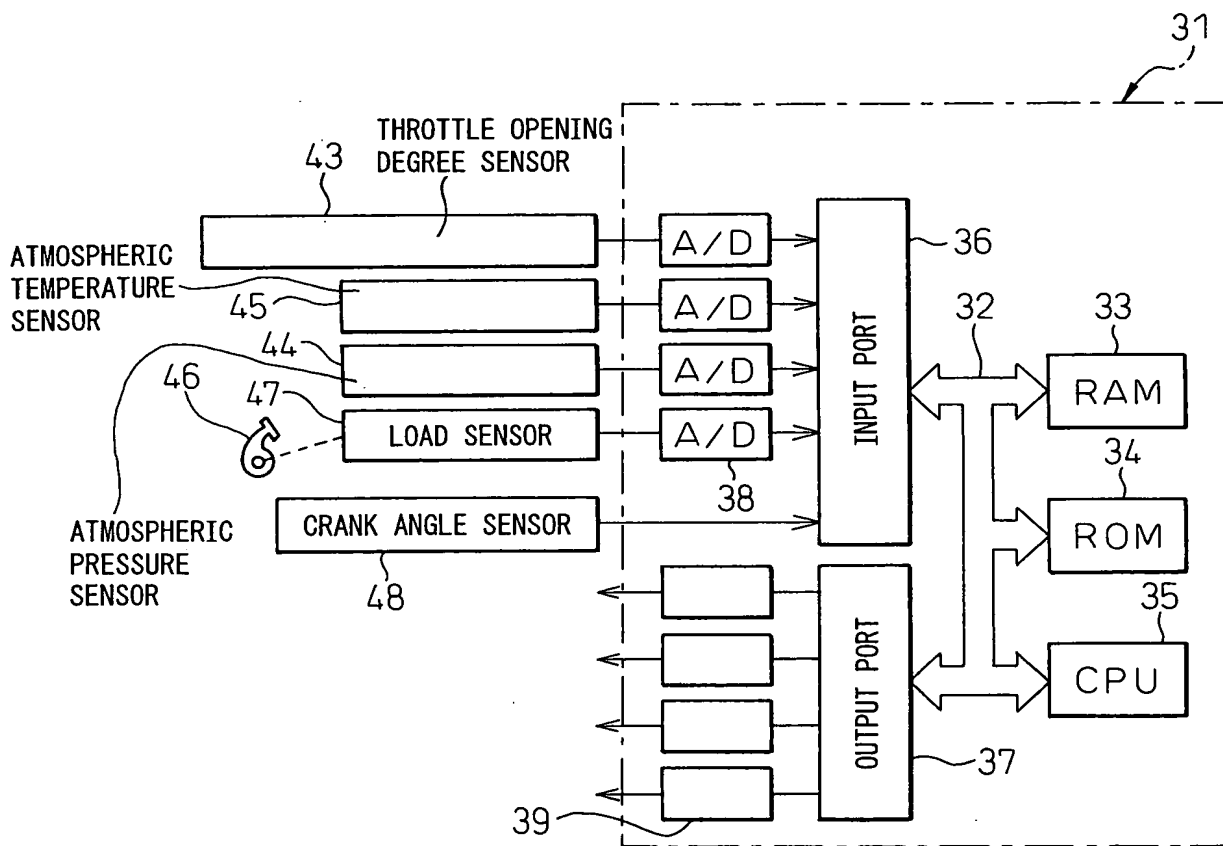
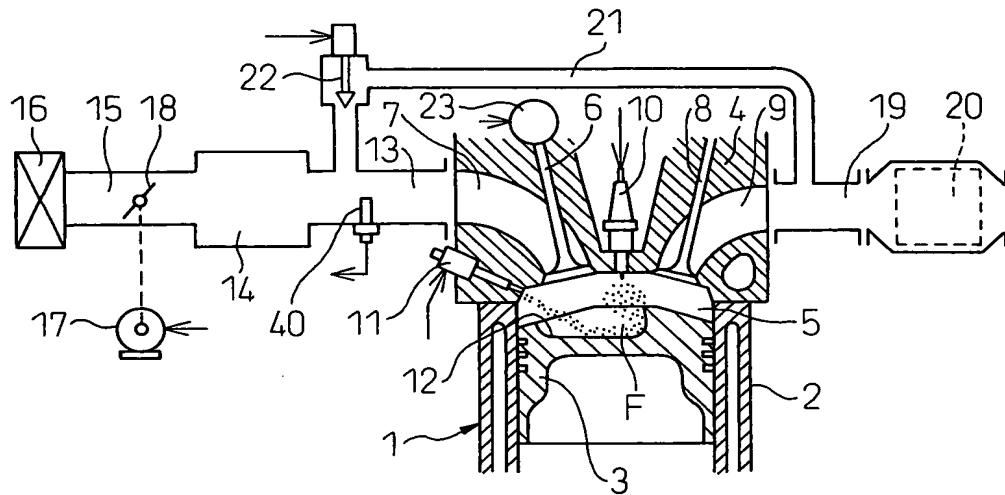
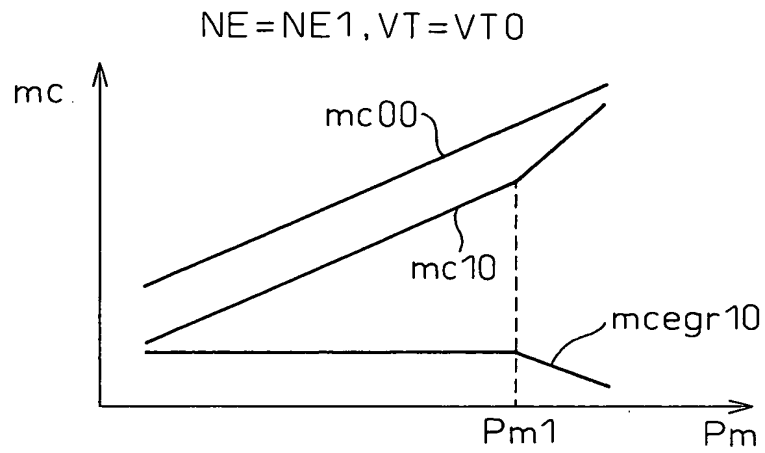


Fig.11



# Fig. 12



# Fig. 13

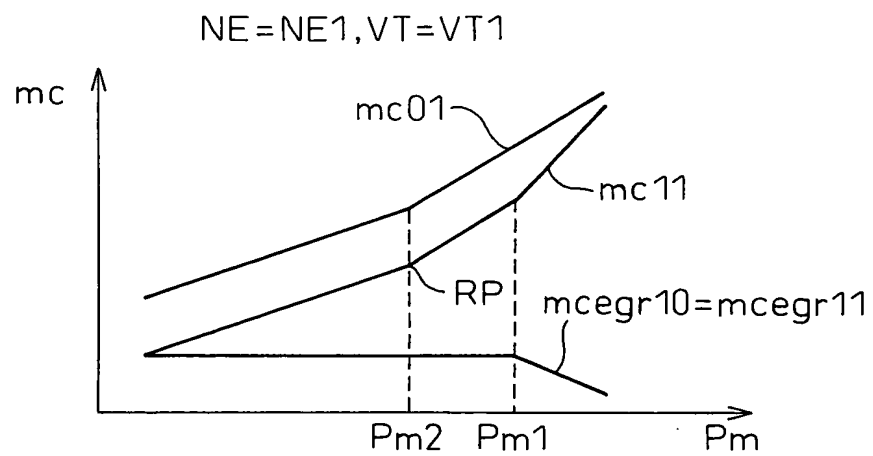




Fig.14

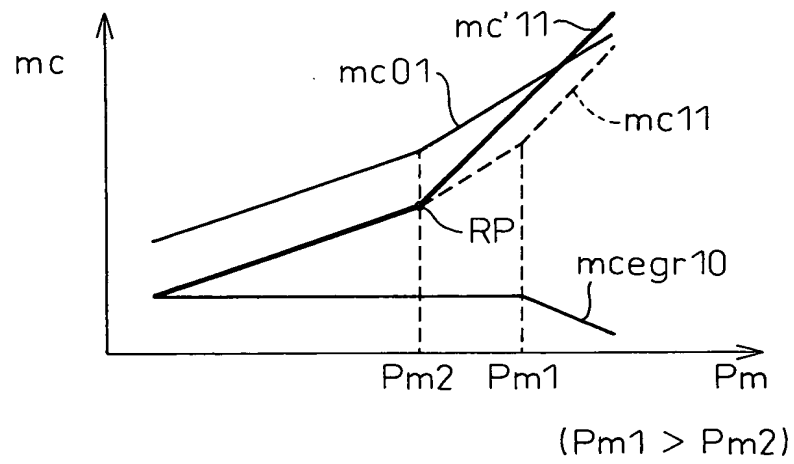
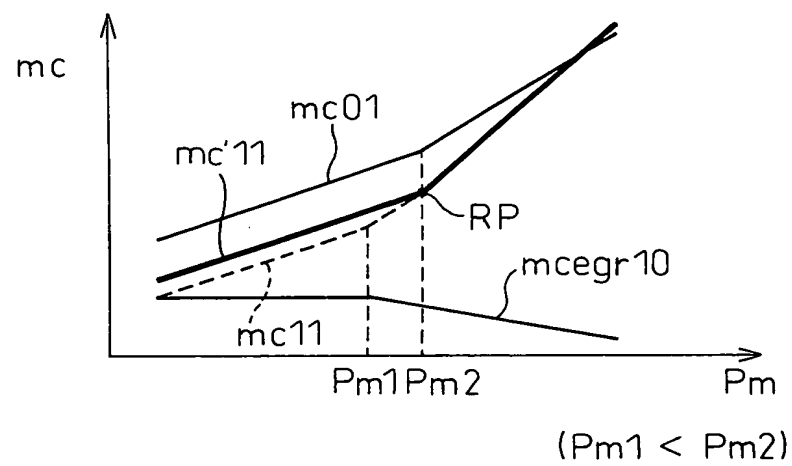


Fig.15



## LIST OF REFERENCES

- 1...engine body
- 5...combustion chamber
- 6...intake valve
- 7...intake port
- 8...exhaust valve
- 9...exhaust port
- 11...fuel injector
- 13...intake pipe
- 18...throttle valve
- 22...EGR control valve
- 23...variable valve timing mechanism